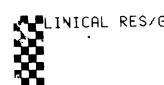
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s there a distance component (such as a per- No Yes f yes, how much is the charge? Was there an installation fee? No f yes, how much is the charge? s the charge the regular tariffed rate, or is the provider? Tariffed Discount f there is a discount, how much is it?	Yes
Was there an installation fee? No	here a discount from the telecommunications.
f yes, how much is the charge? s the charge the regular tariffed rate, or is the provider? Tariffed Discount_	here a discount from the telecommunications.
rovider? Tariffed Discount_	
f there is a discount, how much is it?	**************************************
Dx & Consultation - Vic Ra Dirmatologie =-mail - Consulta in Distance Learning (inc Distance Learning (inc Distance Learning (inc Distance Learning (inc Distance Access) Recruitment - A.S.) DHIS quideline	exerces Esearch Scholass is "medically undersurved" by
ffect would a lesser level of bandwidth have? If telecommunications services are related to	is surrently providing with less bandwidth? What e? (The implications of using greater or lesser levels o image transmission time. What would be the impact w use telecommunications took twice as long, or if
- Need is for fully for de a consultation - Digital bransmi he of diagnostic a magica for dernic - distance learners	interactive pideo transmissiv issis if V-rays need to judity - high quality afologies will benefit
34	Recruitment — A.S. DHUS Guidelin Could the project provide the services it feet would a lesser level of bandwidth hav f telecommunications services are related to the health care activities for which you no nex could be completed in half the time?) - Need is for fully or die a for fully or die a for fully the of diagnostic

HAUM HUSDA RUS

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9. What would the implications of having a greater level of bandwidth be?
We gent ned to improve skills & knowledge of Medical & nursing Stops interactive video Francis of hi quality issages will exhance in diagnosis & treatment Consults (2) distance learning grograms.
10. Do you have e-mail? No ics V be g Jan 97.
11. Do you have Internet access? No Yes V beg Jan.97 If yes, do you incur long-distance charges by using it? No Yes Please estimate your number of hours of internet use per month:
>50 hours
12. If you have access to the Internet, please list any purposes other than e-mail (such as accessing databases such as Lexis/Nexis)? for which you use it: Occurs -' Natl Library of Medicine & med. databases
2. tideral bulletin boards incl. DHHC
Rural Health, US Congress - Jederal.
3. Procurement searches
5. Retrustment - Specielte State ina
J. KICHUSWING - Special Sign (Mg)



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7th January 1997

Orren E. Cameron III Rural Utilities Service Washington, D.C. 20250-1500

Dear Sir:

This is our TELEMEDICINE USER SURVEY for the Support of Rural Telemedicine for the Federal Communications Commission Inquiry. Sorry for the delay, but the holidays made it impossible to complete, as several key people were on vacation over what is traditionally a low activity time for hospitals. Hope this meets your needs. If you have any questions or need any additional information, please call one of the two people listed below and we will promptly supply service.

Technical information: Mac Stanford

TEL:601-791-2153

Director, Biomed Department North Mississippi Medical Center

(601) 841-3265

Program information: Char Jockman

Grant Administrator

North Mississippi Health Services, Inc. (same entity)

(601) 791-2194

Char Jockman

State in which it is located:

fax & hard copy to:
Mr. Orren E. Cameron
1-202-720-4099

TELEMEDICINE USER SURVEY

1. Name of project:

Name of Site:

Biomed Distance Learning Telemedicine Project
North Mississippi Medical Center / Health Services, Inc.
Tupelo, MS 38802

2. Please list each of the project's sites:

Name of Bite.	State in Which it is locator.
North Mississippi Medical Center	Mississippi
Juka Hospital	Mississippi
Webster General Hospital	Mississippi
Clay County Medical Center	Mississippi
Pontotoc Hospital	Mississippi
Ackerman Family Medical Clinic (FMC)	Mississippi
Baldwyn FMC	Mississippi
Chickasaw FMC	Mississippi
Ecru FMC	Mississippi
Eupora FMC	Mississippi
Fulton FMC	Mississippi
Golden FMC	<u>Mississippi</u>
Hamiliton FMC	Alabama
Hickory Flat FMC	Mississippi
Lowndes I-MC	Mississippi
New Albany FMC	Mississippi
Okalona FMC	Mississippi
Saltillo FMC	<u>Mississippi</u>
Sulligent FMC	Alabama
Tupelo Family Medical Residency Center	Mississippi
Vernon I:MC	Alabama
West Point Children's Clinic	<u>Mississippi</u>

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Please answer the following questions for each of your sites. Use additional sheets if necessary.

3. What is the nearest city of population equal to or greater than 50,000 in your state, and approximately how far are you from its boundary?

	Distance from city boundary Site Name	Distance
Nor	lh Mississippi Medical Center	170
	Hospital	215
	oster General Hospital	96
	totoc Hospital	146
	erman FMC	80
Balo	lwyn FMC	188
Chie	ckasaw FMC	121
Ecn	ı FMC	172
Eup	ora FMC	96
Fult	on FMC	190
Gol	den FMC	210
Hic	kory Flat FMC	199
Lov	mdes FMC	147
Nev	v Albany FMC	181
Oko	olona I [*] MC	141
Salt	illo FMC	180
Тир	elo FMR	170
We	st Point Children's Clinic	142
*these figures provided by	the Mississippi Department of Tra	nsportation
City: Birmingham, Alabama	Distance from city boundary	. (listed by site)
l·lar	nilton FMC	90
Sul	ligent FMC	102
Ver	non FMC	90
*these figures drawn from	official maps of Alabama	
4. Name of the project's telecom	munications service provider:	
• •	•	
Bell South		
	service the project is cliffebliv light	ig: (for example: voice
Level of telecommunications grade, 144 Kbps (ISDN), 384 Kb	ps, T-1 or equivalent, or higher rat	- ` -

o. Charges for refecontinumentations service.
Is there a monthly charge? NoYesX If yes, how much is the charge?\$718 to \$1,738 per month per circuit based on distance (ie. Tupelo-Eupora \$740 and Tupelo-Iuka \$1470)
Is there a usage-based charge? NoX Yes If yes, how much is the charge?
Is there a distance component (such as a per-mile fee) of the charge? No YesX If yes, how much is the charge? The average cost of mileage is \$24 per mile. Our per-mile fee paid is \$15 per mile.
Was there an installation fee? No YesX
Is the charge the regular tariffed rate, or is there a discount from the telecommunications provider? Tariffed DiscountX
7. How does the project use telecommunications in the delivery of health care? (For example-to send x-rays, distribute public health information, or perform video consultations. Please identify any occasional or episodic uses, such as might result from an outbreak of disease.)
This project addresses video consultation and health education. Other uses currently in place are teleradiology and transmission of cardiology information. Main usage is tranmittal of patient data and medical information. Administrative data, training and education of healthcare professionals including the continuing medical education of isolated rural physicians is available through the project. Public health uses will include specific outreach education and seminars where patients or family members can ask questions and get direct physician responses as well as individual to physician consultation and physician to physician specialist or alternate health provider. Shared education efforts with the community colleges and the state school interactive classroom are in pilot stage and will allow the state-wide teaching of some high school classes by physicians and health care providers.

8. Could the project provide the services it is currently providing with less bandwidth? What effect would a lesser level of bandwidth have? (The implications of using greater or lesser of levels of telecommunications services are related to image transmission time. What would be the impact if the health care activities for which you now use telecommunications took twice as long,

or if they could be completed in half the time?)

The transmission of any image is proportional to the application. Transmission of a radiological image for a patient with a bone spur can take days and not effect the treatment or medical outcome. But, speedy, quality transmission of a radiological image for an automobile accident victim can be critical to his surviyal and any delay can result in an undesirable medical outcome. A lesser bandwidth would not be acceptable for quality healthcare provision.
9. What would the implications of having a greater level of bandwidth be?
More applications and services can be provided. Several sessions could be effectively conducted simultaneously, avoiding access problems. Greater quality of service provided by the greater level of bandwidth, translates to greater acceptance by users, less delays and difficulties and more effective use by physicians and patients.
10. Do you have e-mail? No YesX
I1. Do you have Internet access? No Yes If yes, do you incur long-distance charges by using it? No X Yes
Please estimate your number of hours of internet use per month:
With less than a dozen persons already connected, we are using 12 - 16 hours per day. As the entire network of 400 -500 eligible users is connected during the project, we expect an explosion of hours. Some users will use few hours, others many, so the final equation is unknown. Rough estimation without added hours generated by upgrades or new services is 160,000 hours per month as each entity within the system has differing information needs and service needs. In the three months of trial phase since the fire wall was installed for safety of patient information, privacy, and security, there have been over 27,000 web page requests and over 4600 e-mails in and out of the system. This does not include in-house e-mails.
12. If you have access to the Internet, please list any purposes other than e-mail (such as accessing databases such as Lexis/Nexis) for which you use it:
Access phone billing from AT&T. Access to Ecru, MS and other information providers providers particular to health care needs. General access for government and private databases concerning population and new health care statistics. Access to vendor information for
nurchasing decisions. Access to medical research, software ungrades to systems and special

access to the University of Mississippi Medical Center and library.